

In the Claims:

Amend the claims as follows.

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17.(Amended) Method of manufacturing an optical modifier ~~according to on of claims 1 to 2,~~
characterized in that the reflecting surface (6) is manufactured, characterised by the preparation
of at least two coupling devices with respective reflecting surfaces being arranged such that the
light signal reflected from a first coupling device is directed towards a second coupling device, at
least one wave-modifying element being arranged in the beam path between said at least two
coupling devices, each of said reflecting surfaces being shaped from bulk material, as part of a
surface of revolution with a cone section of a cone as the generating curve of the envelope

which are prepared by one of the steps of turning, milling and polishing while said material is in a chuck clamp, and turning a stop limit surface while said material is in the same chuck clamp in which the reflecting surface is turned or milled or polished.

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29. (New) A method of manufacturing an optical modifier having plural optical coupling devices, comprising the steps of:

chuck clamping material of which the optical modifier is to be manufactured;

machining said material to form a first coupling device, said machining forming a curved reflective surface as a surface of revolution with a conic section as the generating curve of the envelope;

machining a limit stop surface while said material is in the same chuck clamp position without removal;

repeating the steps of machining said material and of machining a stop limit for at least a second coupling device and second limit stop surface, whereof said second coupling device is

the output side of said optical modifier and said first coupling device is the input side thereof;
and

assembling said coupling devices to transmit optical waves there between with a wave modifying element positioned in the beam path between at least two said assembled optical coupling devices.

30.(New) The method of claim 29 wherein said machining is chosen from the group of: turning and milling.

31.(New) The method of one of claims 30 also including after the step of machining by one of turning and milling, the step of polishing the machined surface.

32.(New) The method of manufacturing an optical modifier having coupling devices as a part thereof, comprising the steps of:

fabricating at least one negative being a mold with a surface formed as part of a surface of revolution with a section of a cone as the generating curve of the envelope;

preparing a surface on each negative corresponding to provide at least one limit stop on each molded positive made there from;

molding at least two positives from said negatives being the coupling devices; and

arranging at least two at least one wave modifying element such that a light reflected from a first coupling device is directed towards a second coupling device;

wherein said fabricating step is performed by shaping each negative whereof said surface of revolution with a section of a cone as the generating curve of the envelope is prepared by at least one of the steps of turning, milling, and polishing.